

FIG. 1 (PRIOR ART)

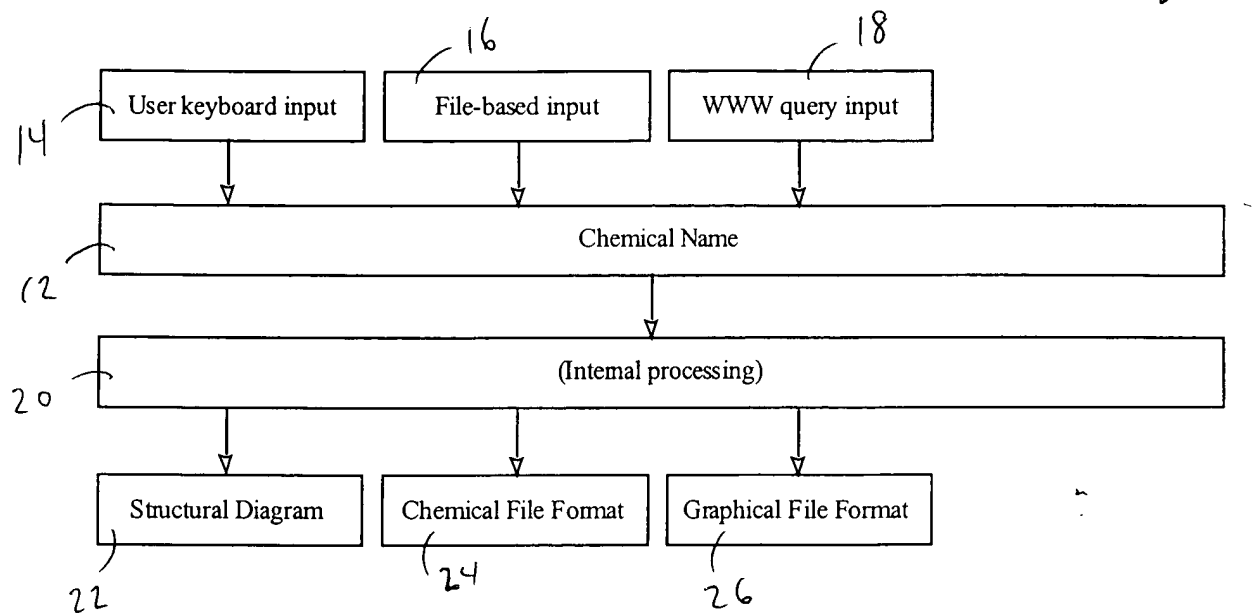


FIG. 2

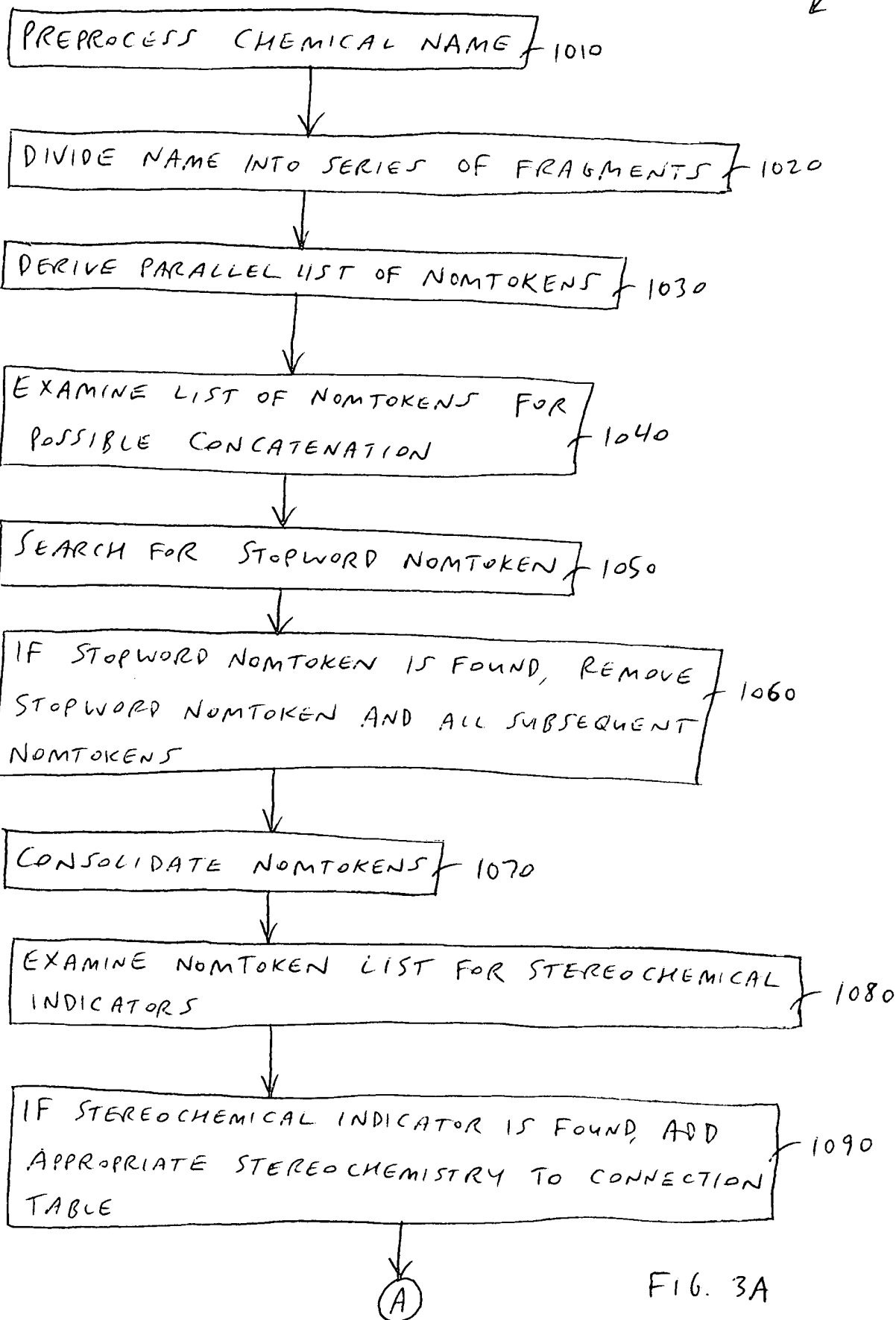


FIG. 3A

Variable	Mean	SD	Min	Max
Age	38.5	12.5	20	65
Gender	0.5	0.5	0	1
Marital status	0.7	0.5	0	1
Education	12.5	2.5	9	16
Income	1500	500	500	3000
Health status	0.8	0.4	0	1
Stress level	3.5	1.5	1	5
Life satisfaction	4.0	1.0	1	5
Work satisfaction	3.8	1.2	1	5
Family satisfaction	4.2	1.1	1	5
Community satisfaction	3.9	1.3	1	5
Overall satisfaction	3.7	1.4	1	5

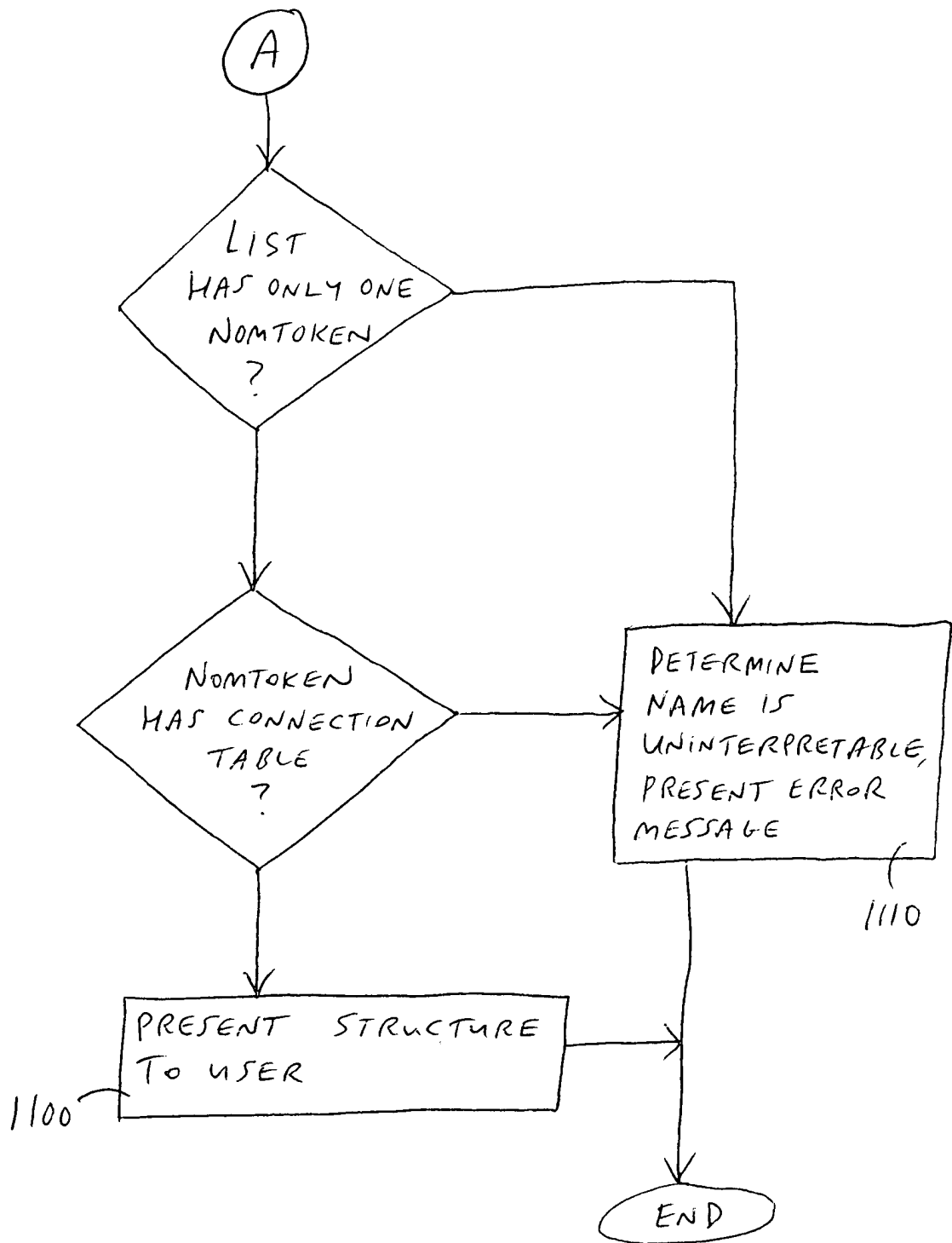


FIG. 3B

2000
↙

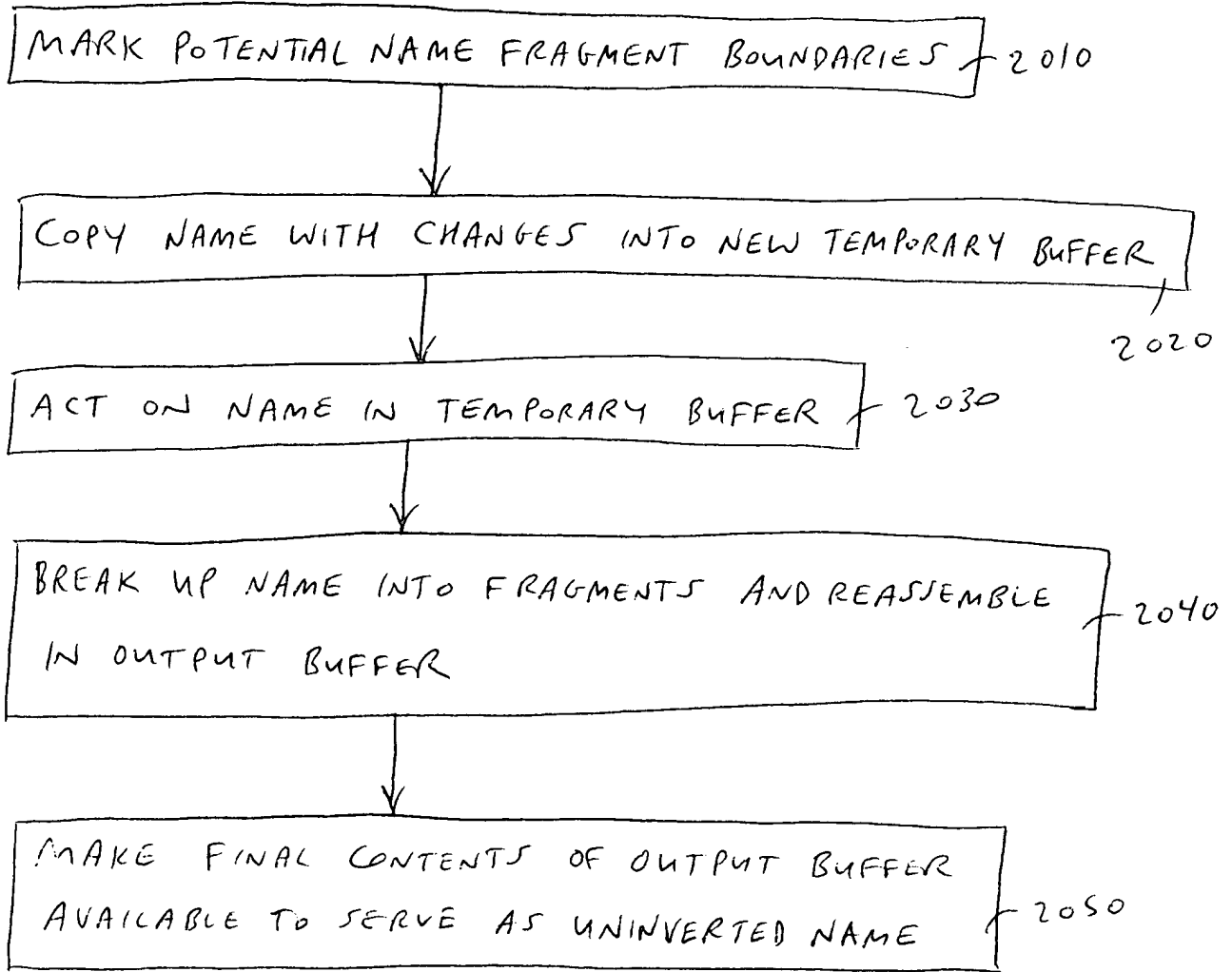


FIG. 4

Table 2: Strings that cannot initiate fragments to be prepended (note that some strings include a space character)

FIG. 5B

Table 3: Strings that cannot appear anywhere in fragments to be prepended (note that some strings include one or more space characters)

" and "	"grade"	"radical"
" in "	"granul"	"random"
" ion"	"grease"	"reagent"
"&"	"grit"	"reduc"
"/"	"hbr"	"regular"
"7ci"	"hcl"	"remainder"
"8ci"	"heavy"	"ribbon"
"9ci"	"hydrin"	"rods"
"10ci"	"hydrous"	"salt"
"aas"	"ide "	"scale"
"absolute"	"imine"	"shot"
"acid"	"ing"	"slug"
"acs"	"inhibit"	"soluble"
"aerosol"	"isotop"	"solution"
"amidine"	"ite"	"sphere"
"analy"	"ize"	"spong"
"approx"	"lactam"	"stab"
"assay"	"lacton"	"stabil"
"ate"	"light"	"standard"
"balance"	"lump"	"stick"
"basic"	"mainly"	"sublim"
"basis"	"medium"	"sultam"
"bead"	"mesh"	"sulton"
"briquette"	"micron"	"synthetic"
"catal"	"ml"	"syrup"
"certif"	"mm "	"tablet"
"chip"	"moist"	"tech"
"chunk"	"morphous"	"tion"
"cm"	"mossy"	"titrant"
"coarse"	"natural"	"tone"
"contain"	"needle"	"typic"
"crucible"	"neutral"	"usp"
"cryst"	"nitrile"	"wire"
"deriv"	"pearl"	"with"
"dispers"	"pellet"	"xime"
"dry "	"piece"	"zone"
"dust"	"plate"	
"ed "	"poly"	
"electro"	"porous"	
"ester"	"powder"	
"ether"	"ppm"	
"fcc"	"pract"	
"fine"	"predomina"	
"flake"	"predominantly"	
"foil"	"protected"	
"for "	"puratronic"	
"from"	"pure"	
"glacial"	"purity"	
	"purum"	

Table 4.

ether
sulfide
disulfide
trisulfide
tetrasulfide
pentasulfide
hexasulfide
selenide
diselenide
triselenide
telluride
sulfone
disulfone
trisulfone
sulfoxide
disulfoxide
trisulfoxide
peroxide
ketone
diketone
triketone
tetraketone

FIG. 5D

nomToken data structure

Name

Type

Subtype

Repeat count

Mono flag

Type-specific integer

Connection Table

Locant map

Attach-in map

Attach-out map

Held stereo information

FIG. 6

CONNECTION
TABLE

NAME	TYPE	SUBTYPE	PREV CHAR
naphth	unknown		
opfuser	unknown		
unknown			
'a'			
oxy			
infix			
doublebondable			
'a'			
phenac			
root			
root			
'a'			
yl			
enderaminoacid			
yl			
'a'			
bromide			
counterion			
ionable			
'a'			

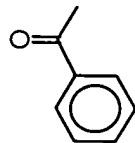
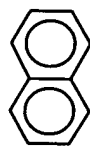


FIG. 7A

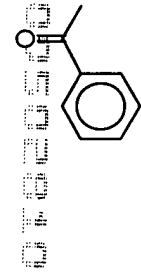
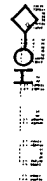
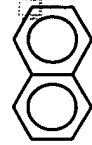
CONNECTION TABLE

CONNECTION						
TABLE						
NAME	p	naphth	oxy	phenac	yl	bromide
TYPE	unknown	opfuser	infix	root	suffix	counterion
SUBTYPE	unknown	unknown	doublebondable	root	yl	ionable
PREV CHAR	'('	'a'	'a'	'a'	'a'	','

FIG. 7B

CONNECTION TABLE

NAME TYPE	p unknown	naphth root	oxy infix	phenac root	yl suffix	bromide counterion
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SUBTYPE PREV CHAR	unknown '('	unknown 'a'	doublebondable 'a'	root 'a'	yl 'a'	ionable ' '
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FIG. 7C



CONNECTION
TABLE



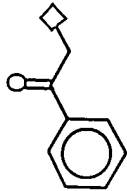

NAME	P			
TYPE	unknown			
SUBTYPE	unknown			
PREV CHAR	'('			
				
	naphth	oxy		phenacyl
	root	infix		root
	unknown	doublebondable		root
	'a'	'a'		'a'
				
				bromide
				counterion
				ionable
				' '

FIG. 7D

[illegible]

CONNECTION TABLE



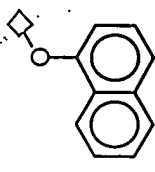
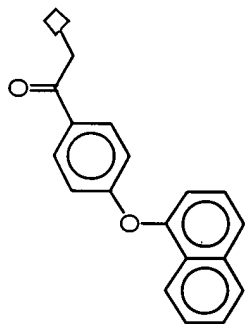
CONNECTION TABLE	NAME	TYPE	SUBTYPE	PREV CHAR
	bromide	root	counterion	ionable ' '
	phenacyl	root	root	'a'
	naphthoxy	root	infix	'a'
	p	unknown	unknown	'('

FIG. 7E

CONNECTION
TABLE



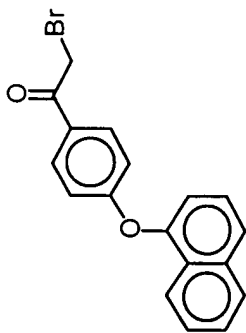
NAME	p-naphthoxy-phenacyl
TYPE	root
SUBTYPE	root
PREV CHAR	'a'



bromide
counterion
ionable
, ,

FIG. 7F

CONNECTION TABLE



NAME	p-naphthoxy-phenacyl bromide
TYPE	root
SUBTYPE	root
PREV CHAR	'a'

Fig. 76